

FIG. 1

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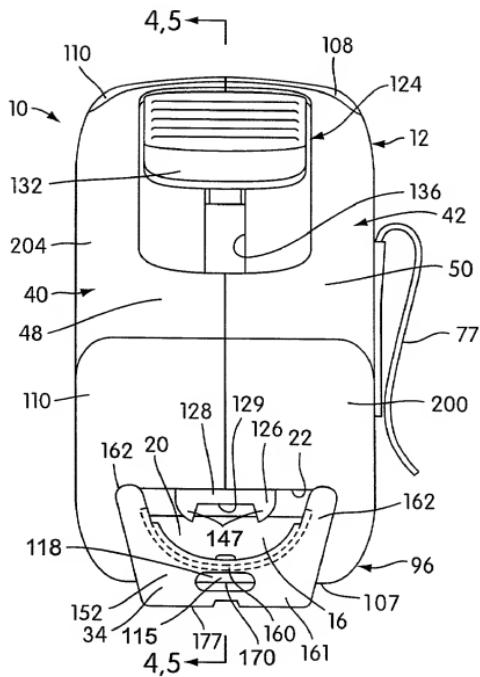


FIG. 2

19730710-28660

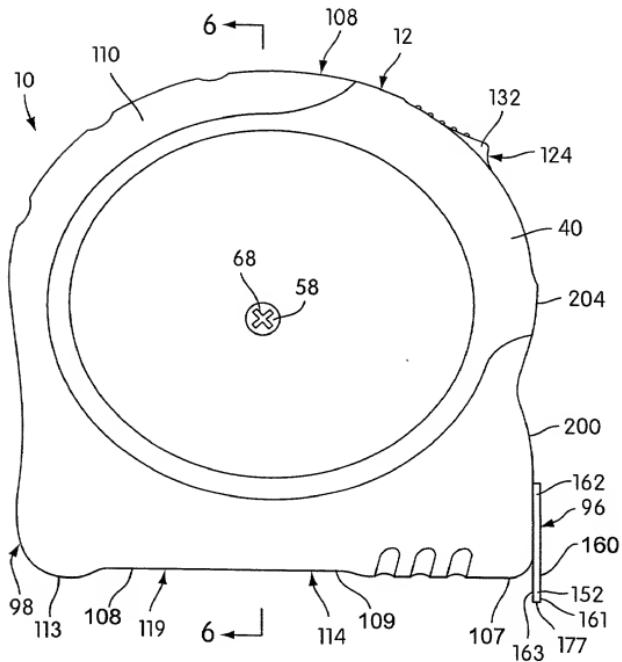


FIG. 3

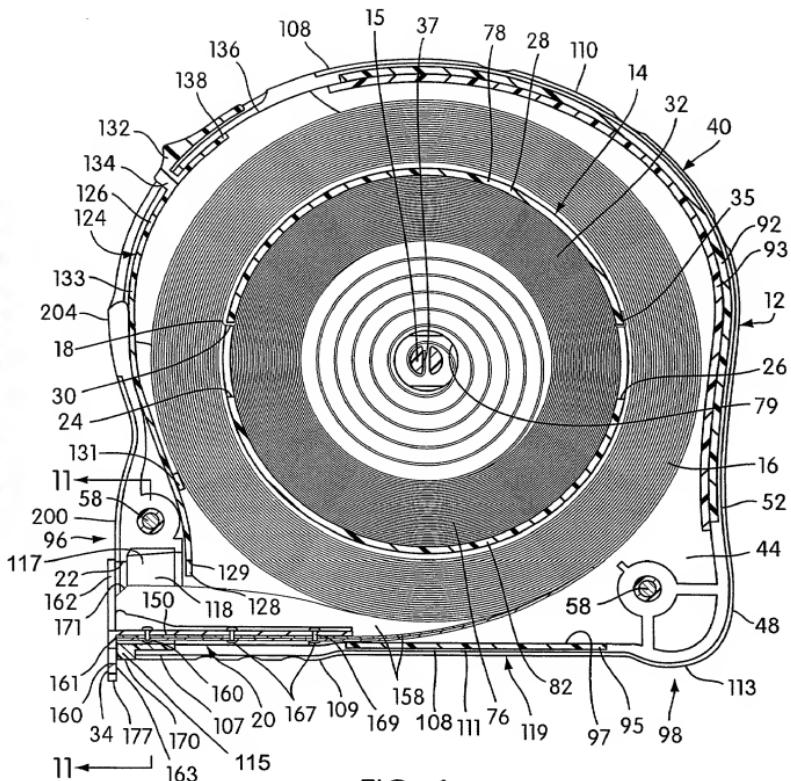
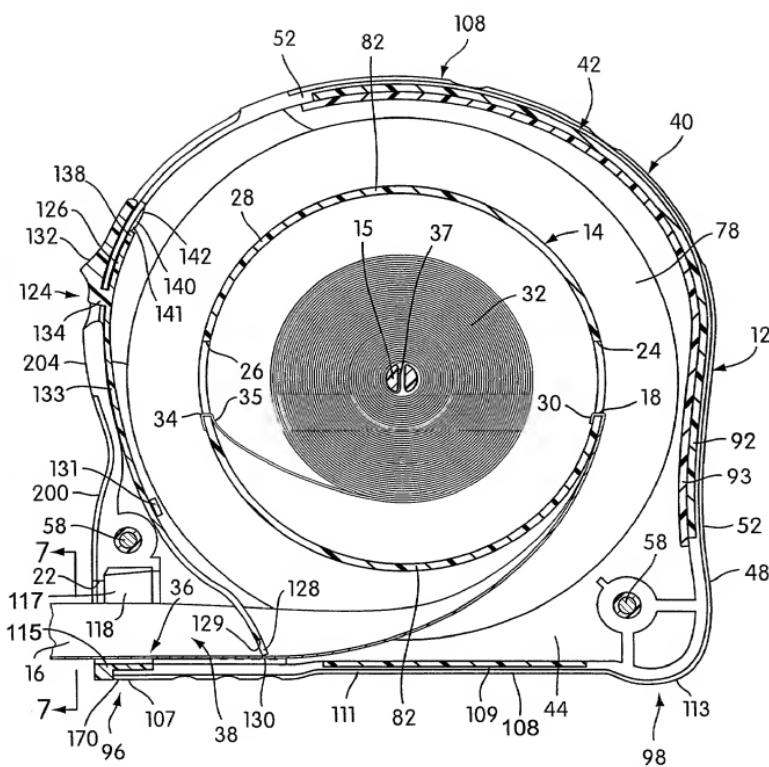


FIG. 4

7,097,770 D52,865



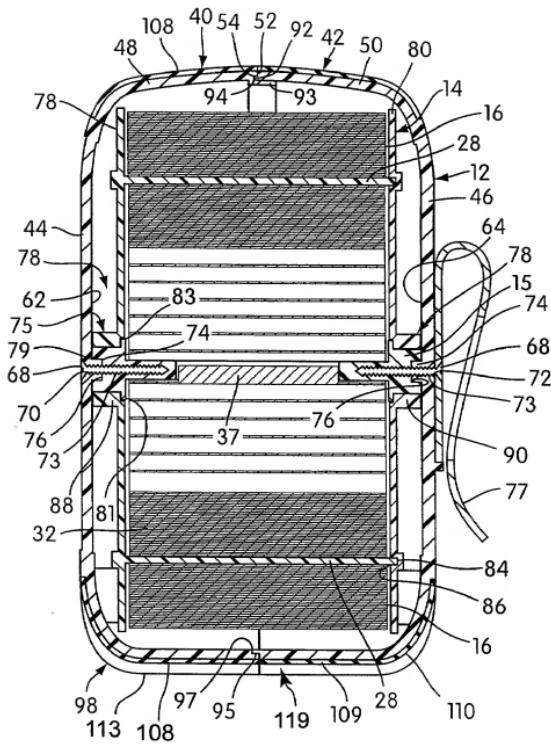
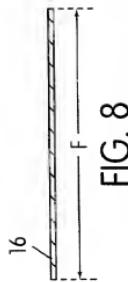
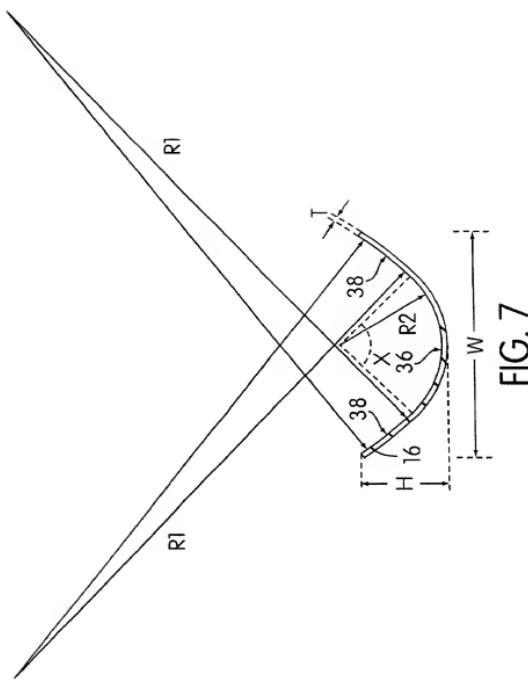


FIG. 6

FIGURE 8  
FIGURE 7



| *BLADE / SPRING<br>WIDTH [IN] | *BLADE / SPRING<br>THICKNESS [IN] | "ARCULATE"<br>LENGTH-OUT<br>[C IN FT]<br>[RANGE +/- .6 IN] | ***NEAR<br>LENGTH-OUT<br>[B IN]<br>[RANGE +/- .3%] | TO ACHIEVE<br>FULL BLADE<br>EXTENSION<br>[A IN]<br>[RANGE +/- .3%] | PERCENT<br>LINEAR TO<br>ARCULATE<br>LENGTH-OUT | MAXIMUM<br>TAPE RULE<br>ROTATION<br>ANGLE "D"<br>AT FULL<br>EXTENSION<br>(DEGREES) |
|-------------------------------|-----------------------------------|--|--|--|--|--|
| 1.000 / 0.875                 | 0.0045 / 0.0051                   | 84 / 7 FT  | 79   | 23   | 94%  | >45  |
| 1.000 / 0.875                 | 0.0051 / 0.0056                   | 84 / 7 FT  | 80   | 22   | 95%  | >45  |
| 1.000 / 0.875                 | 0.0051 / 0.0056                   | 96 / 8 FT  | 86   | 40   | 90%  | >45  |
| 1.000 / 0.875                 | 0.0056 / 0.0060                   | 84 / 7 FT  | 81   | 18   | 96%  | >45  |
| 1.000 / 0.875                 | 0.0056 / 0.0060                   | 96 / 8 FT  | 91   | 31   | 95%  | =<35   |
| 1.000 / 0.875                 | 0.0056 / 0.0060                   | 108 / 9 FT   | 93   | 53   | 86%  | =<25   |
| 1.250 / 1.250                 | 0.0051 / 0.0051                   | 84 / 7 FT  | 83   | 5  | 99%  | >45  |
| 1.250 / 1.250                 | 0.0051 / 0.0051                   | 96 / 8 FT  | 95   | 8  | 99%  | >45  |
| 1.250 / 1.250                 | 0.0051 / 0.0051                   | 108 / 9 FT   | 107  | 17   | 99%  | >45  |
| 1.250 / 1.250                 | 0.0051 / 0.0051                   | 120 / 10 FT  | 119  | 30   | 99%  | >45  |
| 1.250 / 1.250                 | 0.0051 / 0.0051                   | 132 / 11 FT  | 129  | 38   | 98%  | >45  |

\* BLADE WIDTH MEASURED IN FLAT FORM OR ARCULATE PERIMETER OF THE CROSS SECTION

\*\* RAW STEEL THICKNESS WITHOUT COATINGS

\*\*\* ACTUAL UTILITY OF TAPE BLADE STAND OUT

\*\*\*\* ROTATION ANGLE REQUIRED WHEN MEASURING VERTICAL POINTS ABOVE HORIZONTAL PLANE OF BLADE TIP

FIG. 9

TRANSIT 60° < 360°

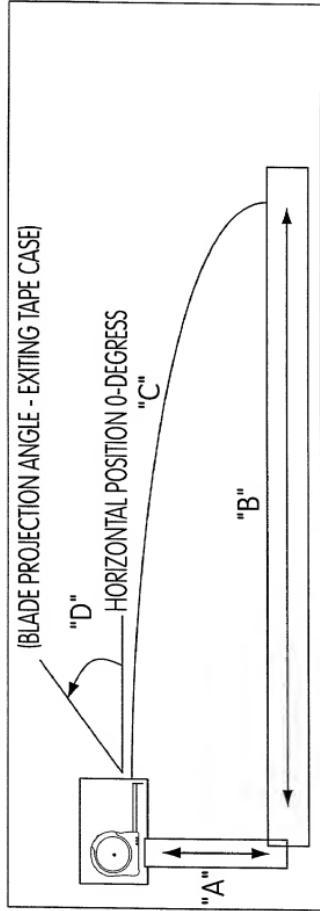


FIG. 10

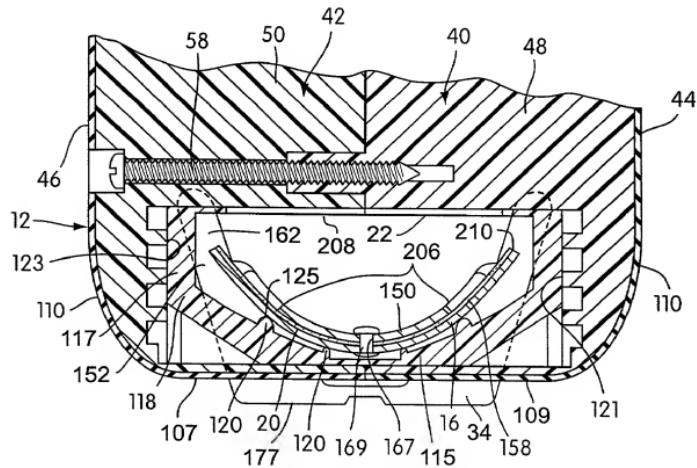


FIG. 11